

ABSTRACT

An optoelectronic device for detecting markings provided with contrasting patterns includes a transmitter for emitting light rays and a receiver for receiving light rays, a deflection unit for guiding the transmitting light rays periodically across a monitoring range, and an evaluation unit for evaluating the receiving signals present at the output of receiver. The receiver is positioned inside a light-impermeable insert , which is provided with channel structures extending in the direction of the optical axis of the receiver. The receiving light rays that are reflected by the deflection unit are guided inside these channel structures toward the receiver.